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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,336	08/10/2005	David Richard Cowieson	15440.0002	1667
27890	7590	02/08/2008	EXAMINER	
STEPTOE & JOHNSON LLP			NAFF, DAVID M	
1330 CONNECTICUT AVENUE, N.W.			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036			1657	
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			02/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/532,336	COWIESON ET AL.
	Examiner David M. Naff	Art Unit 1657

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 08 November 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-41 is/are pending in the application.
 - 4a) Of the above claim(s) 1-24 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 25-41 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 April 2005 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>4/22/05, 11/8/07</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

A response of 11/08/07 to a restriction requirement of 10/9/07 elected Group II claims 25-41 and 43, amended claims 31-34, 36-38 and 41 and canceled claims 42 and 43.

5 Claims in the case are 1-41.

Claims 1-24 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 11/8/07.

10 Claims examined on the merits are 25-41.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

15 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 27-29, 37 and 38 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 27-29 are unclear how the imprinted polymer being synthesized as claimed changes the imprinted polymer from that required in claim 25.

In claims 37 and 38, "low" and "high", respectively, are relative and subjective and indeterminate as to scope and meaning.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

5 A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10 Claims 25-27, 30 and 33-35 rejected under 35 U.S.C. 102(b) as being anticipated by Piletsky et al (document on 1449 of 4/22/05).

The claims are drawn to a functionalized porous material comprising a porous substrate having a molecularly imprinted polymer attached to the external surface and/or the internal surface of the 15 porous substrate.

Piletsky et al disclose surface functionalization of porous polypropylene membranes with molecularly imprinted polymers by photograph copolymerization.

20 The functionalized porous polypropylene membranes of Piletsky et al are the same as the functionalized porous material presently claimed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

25 (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the 30 invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 37-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Piletsky et al.

When preparing the functionalized membrane of Piletsky et al, it would have been obvious to select a low or high void volume and a high or low surface area depending on use that requires a particular void volume or surface area.

Claim Rejections - 35 USC § 103

Claims 28, 29, 31 and 32 rejected under 35 U.S.C. 103(a) as being unpatentable over Piletsky et al in view of Timmons et al (6,329,024).

The claims require using plasma polymerization or grafting using plasma polymerization.

Timmons et al disclose using pulsed plasma polymerization when forming a coating (col 4, lines 37-65). The pulsed plasma permits use of high peak powers while maintaining low average powers which

provides for retention of monomer functional groups (col 6, lines 53-64).

It would have been obvious to use pulsed plasma polymerization when polymerizing to obtain functionalized porous polyethylene 5 membranes as disclosed by Piletsky et al to obtain the result of pulsed plasma polymerization retaining monomer functional groups as disclosed by Timmons et al.

Claim Rejections - 35 USC S 103

Claims 36 and 41 are rejected under 35 U.S.C. 103(a) as being 10 unpatentable over Piletsky et al in view of Nova et al (6,340,588).

Claim 36 requires the porous material to contain an RF tag, and claim 41 requires the material to have the shape of a cylinder or rectangular prism.

Nova et al discloses grafting a polymer to a tube containing an 15 RF tag (col 21, lines 41-45).

It would have been obvious to provide the porous membrane of Nova et al with an RF tag to obtain its known function as suggested by Nova et al disclosing a tube containing an RF tag. The use of a tube by Nova et al would have suggested a cylinder as in claim 41.

20 ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Naff whose telephone number is 571-272-0920. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jon Weber can be reached on 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

5 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For
10 more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system,
15 call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



David M. Naff
Primary Examiner
Art Unit 1657

DMN
2/4/08